

Practitioner's Docket No. TTU D-0300

PATENT

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Box Patent Application  
Assistant Commissioner for Patents  
Washington, D.C. 20231

NEW APPLICATION TRANSMITTAL

Transmitted herewith for filing is the patent application of

Inventor(s): Ralph G. Beil; Kenneth Laine Ketner

For (title): QUANTUM SWITCHES AND DEVICES

1. **Type of Application**

This transmittal is for an original (nonprovisional) application.

2. **Papers Enclosed**

A. Required for filing date under 37 C.F.R. 1.53(b) (Regular) or 37 C.F.R. 1.153 (Design)  
Application

21 Page(s) of Specification

9 Page(s) of Claims

8 Sheet(s) of Drawing(s)--Informal

B. Other Papers Enclosed

2 Page(s) of declaration and power of attorney

1 Page(s) of abstract

3. **Declaration or Oath**

Enclosed, executed by inventors.

4. **Inventorship Statement**

The inventorship for all the claims in this application is the same.

5. **Language**

English

**6. Assignment**

An assignment of the invention to Arisbe Tools, L.L.C. is attached. A separate FORM PTO 1595 is also attached.

**7. Fee Calculation (37 C.F.R. Section 1.16)**

Regular Application

CLAIMS AS FILED					
Claims	Number Filed	Basic Fee Allowance	Number Extra	Rate	Basic Fee 37 CFR 1.16(a) \$740.00
Total Claims (37 CFR 1.16(c))	34	- 20 =	14 x	\$18.00	\$252.00
Independent Claims (37 CFR 1.16(b))	4	- 3 =	1 x	\$84.00	\$84.00
Multiple Dependent Claim(s), if any (37 CFR 1.16(d))			+	\$280.00	\$0.00
Filing Fee Calculation					\$1,076.00

**8. Small Entity Status**

Applicants hereby claim that this is a filing by a small entity under 37 C.F.R. Sections 1.9 and 1.27.

Filing Fee Calculation (50% of above) \$538.00

**9. Fee Payment Being Made at This Time**

Enclosed

Filing Fee \$538.00

Recording assignment (\$40; 37 C.F.R. Section 1.21(h)) (See attached FORM PTO 1595.) \$40.00

**Total Fees Enclosed** \$578.00

**10. Method of Payment of Fees**

Check in the amount of \$578.00 is attached.

**11. Authorization to Charge Additional Fees**

The Commissioner is hereby authorized to charge the following additional fees by this paper and during the entire pendency of this application to Account No. 10-1213.

37 C.F.R. Section 1.16(a), (f) or (g) (filing fees)

37 C.F.R. Section 1.16(b), (c) or (d) (presentation of extra claims)

37 C.F.R. Section 1.17(a)(1)-(5) (extension fees pursuant to SECTION 1.136(a))

37 C.F.R. Section 1.17 (application processing fees)

**12. Instructions as to Overpayment**

Credit Account No. 10-1213.

Date: 31 JAN 2002

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